



FROM THE TOP: Election Time

Meeting November 18 at McDougal Hall on the Campus of the Sonoma Development Center in Eldridge.

There is a speaker for the meeting. He will be talking about Search and Rescue.

Last month's meeting was a BBQ hosted by N6KM and KE6LNN. I only stopped by but it looked like it was going to be a lot of fun. I would have eaten too much anyway. The election of officers is this month with the coronation ceremony at the December meeting. Anyone who is interested in helping out with the club next year should try and attend.

The results of Field Day are posted on the ARRL Website. There were 14 logs submitted for the San Francisco region. There were only 2 groups that were 3A for the region and we beat out the Willits ARS by about 200 points, even though this is not a contest. We had a score of 1,324 and made a total of 318 QSOs. Good job.

There is a ham class the weekend of November 14 and 15. I hope that anyone that was interested has signed up.

K6UUW took another road trip, in a car this time! You can see the route by going to <http://aprs.fi/> and typing in K6UUW in the Track Callsign window on the left side of the screen.

The Christmas Party will be at Mary's Pizza in Boyes Hot Springs on December 9. There will be more information and a sign up at the next meeting so that we can let Mary's know how many people to expect.

It is nice to see the rain and the end of the fire season. Now we move into the flood season. Keep those batteries charged up and be ready. There is an upcoming ACS drill also.

Hope to hear you on the air and see you at the meeting in November.

2009 ACS

Net Control Assignments

Month	Name	Call
NOVEMBER	MIKE	WB6TMH
DECEMBER	DARREL	WD6BOR

2009 VOMARC

Net Control Assignments

Month	Name	Call
NOVEMBER	MIKE	WB6TMH
DECEMBER	DARREL	WD6BOR

Field Day Results

Call	Score	Category	QSOs	Power Mult	GOTA Call	Section	Participants	Club
W6KB	10010	2A	3041	2	W6PZ	SF	21	
W6JTI	7770	1E	752	5		SF	1	
W6SON	2174	2A	487	2	W6LFJ	SF	35	Sonoma Co RA
W6PW	1648	4A	282	2		SF	20	
W6AJF	1324	3A	318	2		SF	10	Valley of the Moon ARC
N6ZFO	1140	1E	99	5		SF	1	
W6MMM	1136	3A	243	2		SF	18	Willits ARS
W6ABR	664	1D	332	2		SF	9	
AF6ME	626	1B1	138	2		SF	1	
W6OFM	392	1B2	109	2		SF	2	
K6BBQ	306	1C	28	2		SF	1	
N6AD	250	1D	125	1		SF	1	
K2HSV	76	1E	13	2		SF	1	
KB6NN	16	1D	4	2		SF	1	

Give Your Generator Some Space

By Dan Romanchik, KB6NU

The National Institute of Standards and Technology (NIST), the same folks that bring you WWV, publish a monthly newsletter called NIST Tech Beat. Here's an item from the 10/6/09 issue of NIST Tech Beat that will be of interest to radio amateurs:

To subdue the steaming heat of hurricanes or to thaw out during a blizzard, gasoline-powered, portable generators are a lifeline during weather emergencies when homes are cut off without electricity. But these generators emit poisonous carbon monoxide—a single generator can produce a hundred times more of the colorless, odorless gas than a modern car's exhaust. New research from the National Institute of Standards and Technology (NIST) shows that to prevent potentially dangerous levels of carbon monoxide, users may need to keep generators farther from the house than previously believed—perhaps as much as 25 feet.

Up to half of the incidents of non-fatal carbon monoxide (CO) poisoning reported in the 2004 and 2005 hurricane seasons involved

generators run within 7 feet of the home, according to the U.S. Centers for Disease Control and Prevention (CDC).

Carbon monoxide can enter a house through a number of airflow paths, such as a door or window left open to accommodate the extension cord that brings power from the generator into the house. While some guidance recommends 10 feet from open windows as a safe operating distance, NIST researcher Steven Emmerich says the “safe” operating distance depends on the house, the weather conditions and the unit. A generator's carbon monoxide output is usually higher than an automobile's, he says, because most generators do not have the sophisticated emission controls that cars do.

“People need to be aware that generators are potentially deadly and they need to educate themselves on proper use,” Emmerich says. With funding from CDC, NIST researchers are gathering reliable data to support future CDC guidance.

NIST building researchers simulated multiple scenarios of a portable generator operating outside of a one-story house, using both a test structure and two different computer models—

the NIST-developed CONTAM indoor air quality model and a computational fluid dynamics model.

The simulations included factors that could be controlled by humans, such as generator location, exhaust direction and window-opening size, and environmental factors such as wind, temperature and house dimensions. In the simulations the generator was placed at various distances from the house and tested under different weather conditions.

"We found that for the house modeled in this study," researcher Leon Wang says, "a generator position 15 feet away from open windows was not far enough to prevent carbon monoxide entry into the house."

Winds perpendicular to the open window resulted in more carbon monoxide entry than winds at an angle, and lower wind speeds generally allowed more carbon monoxide in the house. "Slow, stagnant wind seems to be the worst case because it leads to the carbon monoxide lingering by the windows," Wang explains. Researchers determined that placing the generator outside of the airflow recirculation regions near the open windows reduced carbon monoxide entry.

In the next phase of the study NIST will model a two-story house that researchers believe will interact with the wind differently. NIST researchers also have worked with the Consumer Product Safety Commission on related work. (See: "NIST to Study Hazards of Portable Gasoline-Powered Generators," NIST Tech Beat, March 5, 2008.)

The generator study can be downloaded at <http://fire.nist.gov/bfrlpubs/build09/PDF/b09009.pdf>.

* L. Wang and S.J. Emmerich. Modeling the Effects of Outdoor Gasoline Powered Generator Use on Indoor Carbon Monoxide Exposures. (NIST Technical Note 1637,) 2009.

THE VOMARC WIRELESS VOLUME 13 EDITION 11

A publication of VOMARC, the Valley of the Moon Amateur Radio Club – W6AJF

Frank C. Jones – W6AJF
Honorary President in Perpetuity

CAST OF CHARACTERS

Dave Dammuller, KD6FIL– President
Jim Hill, K6UUW
Vice-President, Training Officer

Joan Brady, W6WXU – Secretary

Marty Nemiroff, KI6RTP – Treasurer

Mike Miller, WB6TMH – Radio Officer

Ken McTaggart, N6KM – ACS Unit Leader

Joel Nadler, NN6J – VE Liaison

Jim Hill, K6UUW – Elmer Coordinator

Ken McTaggart, N6KM – Station Trustee for W6AJF

Eileen Adams, KG6QNT – Webmistress, Editor

Receipt of the Wireless is one of the most sought after benefits of membership in VOMARC—S. Marler.

CLUB MEETINGS are held on the third Wednesday of each month at McDougal Hall at the Sonoma Developmental Center, Eldridge or the Sonoma Fire Station on 2nd St West. Meetings start at 19:30 local (7:30 P.M.).

WEB PAGE: <http://www.vomarc.org/>

Nets are held every Wednesday night at 19:30 (7:30 P.M.) local, except meeting nights on the 145.350 repeater, -600 kHz, PL 88.5 Hz.

ACS holds a net each Monday evening at 19:30 local on the 146.205, +600, PL 88.5 Hz repeater.

PACKET STATION INFO: The VOMARC packet station is off the air until further notice.

CLUB BREAKFASTS are held on the first Saturday of each month at Palms Grill (formerly Issa's) Restaurant, 18999 Sonoma Highway, Sonoma. The fun starts at 09:30 local.

Comments and submissions of material may be sent to:

Eileen@vom.com

Valley of the Moon ARC, Inc.

c/o Sonoma Police Department
175 First Street West
Sonoma, CA 95476

Valley of the Moon ARC
175 First Street West
Sonoma, CA 95476

**THE NEXT VOMARC MEETING IS WEDNESDAY, NOVEMBER 18, AT MC DOUGAL HALL ON
THE CAMPUS OF THE DEVELOPMENTAL CENTER IN ELDRIDGE AT 7:30PM
SEE YOU THERE.**

VOMARC MEMBERSHIP

VOMARC 2009 Membership Dues: \$15/year individual; \$5/year family member.

VOMARC encourages its members to join the ARRL. More information is available at www.arrl.org.
QST is available to blind and physically handicapped individuals on audio cassette from the Library of Congress, National Library Service for the Blind and Physically Handicapped. Call 1-800-424-8567.

Name: _____ CALL: _____ EMAIL: _____

Address: _____ APT: _____

City: _____ State: _____ ZIP: _____

Name: _____ CALL: _____ EMAIL: _____

Name: _____ CALL: _____ EMAIL: _____

VOMARC: \$ _____

Membership Moment, From the Database Queen

Please check the mailing label on this newsletter. It tells you when your VOMARC dues are due. Dues may be mailed to Marty KI6RTP, 20829 Via Colombard, Sonoma, CA 95476, or brought to the next meeting. If there is any mistake, please do not shoot the messenger; email Eileen KG6QNT at Eileen@vom.com. Your check should be made payable to:

VOMARC